An Inaugural Essay Bilious Fever, As it frewarled in Micklenburg County, Virginia; The degree of Doctor of Medicine The University of Bennsylvania, James Il Gregory, of Virginia. The rivers die into offensive pools And, charged with putrid vardare breath a gross And mortal nuisance into all the air." Philadelphia. November the 16 th 1827.

Of the Ralic Tymptomation, and Inthelogy of the disease now under our sideration; no precise account has ever been given by writers on the various forms of bilious pever; as far as I know.

That it had its

origin in the stomach of am fully persuaded from the cause, symptoms and the treatment which succeeded in arresting its progress, and also from the appearances upon lissue-tions after death.

previous to the appearance of this disease; the neighbourhood in which it prevailed, had been prequently visited by the various other forms of bilious fever, but never before

by one of such a character as this until the fall of the goar 1825. The spring, and summer were very wet, we had prequent, and heavy showers of rain for succeptive days, alternating with an intensely hot sum. Daring this time no disease appeared, the rain ceased for a short time, and the weather remained exceptively warm others the middle of september the rain commenced again, and continued for sometime

About the 20 th of september the disease show alluded to; made its appearance, and was seepposed (from the measure in which it commenced its terrible rawages) to be the enexpected effect of a large

longer.

leave stronger of sain or exception

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quantity of green timber thrown into a pond of stagment water which was left in that situation by the stream having been turned from its former course at the head of a mill pond. From this houd in which the timber was in a state of high permentation, and putripactions there escaped a pestiferous habitus which produced in all who were within its reach (the blacks generals by excepted. Though some suffered) a most vialent form of bilious Lever, commencing with those who were nearest to it. It become an object of terrous to every person who was obliged to remain in the immediate neighbourhood of it. It is well to rowark here

that there were frequent fogs, and I may say on nearly every morning; They were of uncommon duration, remainsing until from about half hast ten to half part eleven b. block A.M. This the above mentioned timber was cut down with a view to prepare land for cultivation, and was thrown into this poud, for the purpose of fit - ling it up; and also out with a view of getting the timber out of the way. This was done during the months of Luly, and dag ust, and as I have before said the disease showed itself about the 20 th of september, and continued until several heavy frosts had come, when it disappeared. I will remark that be fore the cultivation of the cotton erop that the neighbour hood had never been visited by

any violent form of fever except in one interne, and that was on the fall of the year 1821. and that was the subject of a couries. Table controversy.

Marsh Miasmata appears enidently to have been the remote cause of the disease, and it had for its exciting cause an exposure to rold, and also the exceptive heat of the middays sun or an except in eating, or drinking, or some of the paperous of the minds as anger, pear, quief the

Symplems. As in most other violent forms of disease, It was ashered in with a chill sometimes (though rarely) amounting to shivering, with violent some in the head with much offrepion about the pracordio, and sometimes were pair at that point, in some instances, the par



stient convilained of an amounty or pen across the region of the liver, the palse was awick terre, and corded, and not early compressed, a harried or difficult respiration, with frequent and heavysigh. In most instances, there was much come and not impregament of strictum, and in the work vision tesso terrible distortions of the pace, and also great fleshes of real-both of which would seem to devote aports, or some other effection of the brain

In some cases the pale was full and for quent which was to be met with in the less riolent forms of the complaint.

The extin was dry, and hat particular in about the head, and exergation, it was also very yellow over the whole renface of the body; the trugue wasdry and covered with a dark brown



incrustation; the wrine was searly, and very highly coloured, and when voided, imparted a barning hair to the patient Not unfrequently, eases were to be met with in which the patient was troubled with great nausea; and would after discharge from his stomach a dark a. erid bilious matter, very much of the colour, and consistence of indigo much The was troubled with great-thirst, and was void of apetite. For many days pre wious to the attack the patient was troubled with loose bowels though the strols were sean b; very fleusive and at tended with a smarting pain when voided. There was much torpor about the system, and particularly about the intestines. this was clearly evineed by the inmense quantity of medicion that was



required to operate on the bowels.

The disease in most cases aprend the intermittent form, and if propper measures were not taken to arrest its progress the apprexica gradually decreased entitled became one emtire and fever.

As I have abready said the cold slage was rearrely percept little, and I fine that well to remark here, that the less violent the eld slage the more violent was the hat one, and wice versas

The critical days were is usual in the other corns of bilions perer; ba tabout the winth day in particular the petient was thought to be at the most critical period, as more person died on that day, and the day after them on any other Treatment. To this want of my sub-



- jeet I will call your attention more hor ticularly; as the regular, or common course of pactice was un ployed with entire unsuccess; whereas practice (way say almost empirical) succeeded in the happiest manner. Though not - withstanding some of the symploms were deceptions, they were generally well developed, as Dr Ehapman very justly observes there are cases some times to be me! with in practice that are not amenable to any of our regular resources, and that experience is our only guide The remptone horstofore alladed to, as deceptions, is that of the time, and conded pulse which was frequently to be met with in this discose, and which by some is always ruphosed to call for the use of the lancet.



Its occurance in this discour is perhaps one of the exceptions to this rule. as a surwrat rule this sort of pulse does be smoud the employment of bloodletting

There are similar states of the notion on record though they are rank to be met with. Instances may be possion - Doctor Rushes medical inquiries.

The ways that there are cases in which the pulse would not gic to wither to prequent or copious blow odings. That you might bleed a patient to death without affecting the slightest change in his pulse. Headols that a tense pulse sace in this pulse. Theadols that a tense pulse sace to an over does size blood, I am fully envineed. I have seen says two ears of incurreble consumption from the seen of incurreble consumption from the



the public cannot be made to feel the reast diminuation of tension from either copious, or frequent blendings. Lases of hehatic peres are also to be met with which cannot be subdeced by this remedy have the observes, metwith a tourion of the pulse in hamorrhages that would wield to the laurest, that a patient whose whood was sizy. Here days after ioosing a gallow, and a half from his stomach, had a tense pulse the day be fore he died, "I also row the last I trakes of the pulse tenze, in a hatient whom I lost in a gellow hever, by a hasmorrhage from his mose," The roys that in such cases The only circumstance that would instify God. aletting is in cases of extreme hain; that this remedy is to be prepared to the

. . . 33 ----, 16 ', 1 15 1 are of opinion. Do Lavidge of Baltimor also mentions to have seen similar states of the yeten in gettern perer but the freakment of each easer rage he some of the patients were third, and they died; others were not that, and they ilso sied but that who were parged posting, and dieriminately recovered.

Dr John I Lucas formerly of virginia. mention in a habiteation in the Medical Recordery to have never in the some might sour knowled in which this discuss how wailed reinister states of the public in earls of bileaus autumned fever

De back also formerly of vinginia has reables hed in the same work, facts rimitar to those above mentioned.

In the cases which perst spicar==cd, the remedies usually un played

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in bilious forer, were resorted to, such as moderate bleeding which in particular secured to be of no avail. the ordinary inclicines were given with a view to enthansis which had searcely the effect of opening the bowels nuce he is that of parging them. In some cases blisters were applied to the head will a view to relieve pair, in other cases the ice eap was substituted which appeared to unswer stee jurpose much wellers though not attoyather sufeficient to accomplish the purpose for which it was applied. Diaphoreties were also used, andara dernier resort merenty was given with a view to salivation, but without els exects for it was wiged to the greatist extent. and in no case did it produce the slightest pty= ratism. These failing together with various other means that were employed, physicians



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were induced to resert to other measures. The physician on being called to a patient would find him lavouring under achil, or ascertain that he had previously hadone, and not unfrequently in a state of come, or delirium; with much vascular excitement, and in short most of the detailed symptoms present. The practice which proved auceafsful was to moderate the violence of the cold stage, which was west accomplished by warm applications, such as keeping the patient wormly covered in hed bottles of warm water, or warm bricks, or hays of worm sand, warm drinks at eatera; The next object was to moderate the vio:

-tener of reaction, which was best down by cold applications, such a the in cap to the head, and in applied to pit of the stemach, and by sponging the fatient



with cold water, or vinegar, or vinegar, and water; this latter sumer to act like a charm in quicking restless ness, also by cald drinks such as balon tea X and where those was great disert for it is water in small quantities was allowed. During this stage nausea was not imprequent: which was remedied by the usual meous. During this stage small dises of calonel were given at very short intervals to quiet irritation, and also with a view to its alsterative effects. The sweating stage was generally shorts and courtimes searcely her see ptible, during this it was only necessary to keep the nations as comportable as hopible. The next object was the treat . went during the apyrexia, as soon as the sweating stage was bast, a large dose of calomel, and jalah with 3 or 4 grains of



gambose were given, or in place of the jalah searmong was often given which remed to act more prompty. this would seldow procure more than thru, or pour stool and they would be searting twenty or thirty minutes after giving this vone severa tea was given presty until the patient was freely hurged; not impro-- quently these large doss of medicine would have to be repeated over, and over again, and followered ut by uma tea satts, oil &, before the purgative action could be induced. When one estab = dished large quantities of dark offensive matter, would be discharged, which would from the immense quantity, and quality, seem to be a morbid secrition of the alix = mentary earal tog ather with some functional derangement of the liver

Injections were also used with a view to their purgative effect. The patient-on going to stoot would complain of much hair, or irritation but as soon as that effect was over if the stool was copious he would be somewhat better, thou before. The pain produced on going to stool was greatly relieved, injections of him water. The principle object in the our of the disare was to free the alimentary eard of its irritating contents and next to prevent the returning paroxysm which was best down by the administration of of a dose of opinion a faw minutes before the parayyou was expected so as to have the system under the effect of the medicine at that time The room was kept dark, and quiet. No food was allowed the patient for several days except a little last water gand when it- became admissible a till chicken waters consiste object in the care of the discre was to weekt a little loss two long and when